

FIG. 1

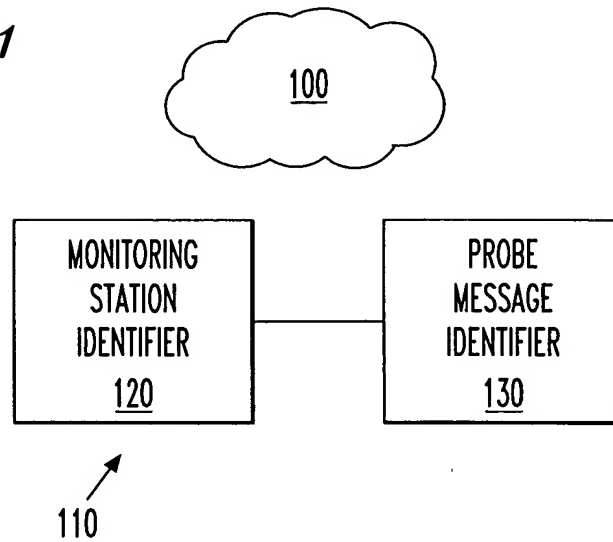
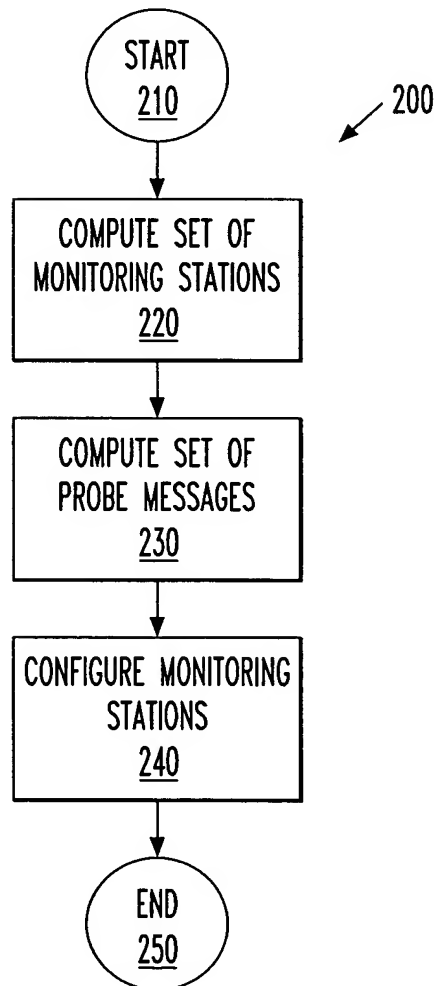


FIG. 2



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 $S \leftarrow \emptyset, C \leftarrow Z$ 
While  $C \neq \emptyset$  do
     $Q \leftarrow \arg \max_{Q_v \in \mathcal{Q} - S} |Q_v \cap C|$ 
     $S \leftarrow S \cup \{Q\}$ 
     $C \leftarrow C - Q$ 
End While
Return  $S$ 
    
```

FIG. 3

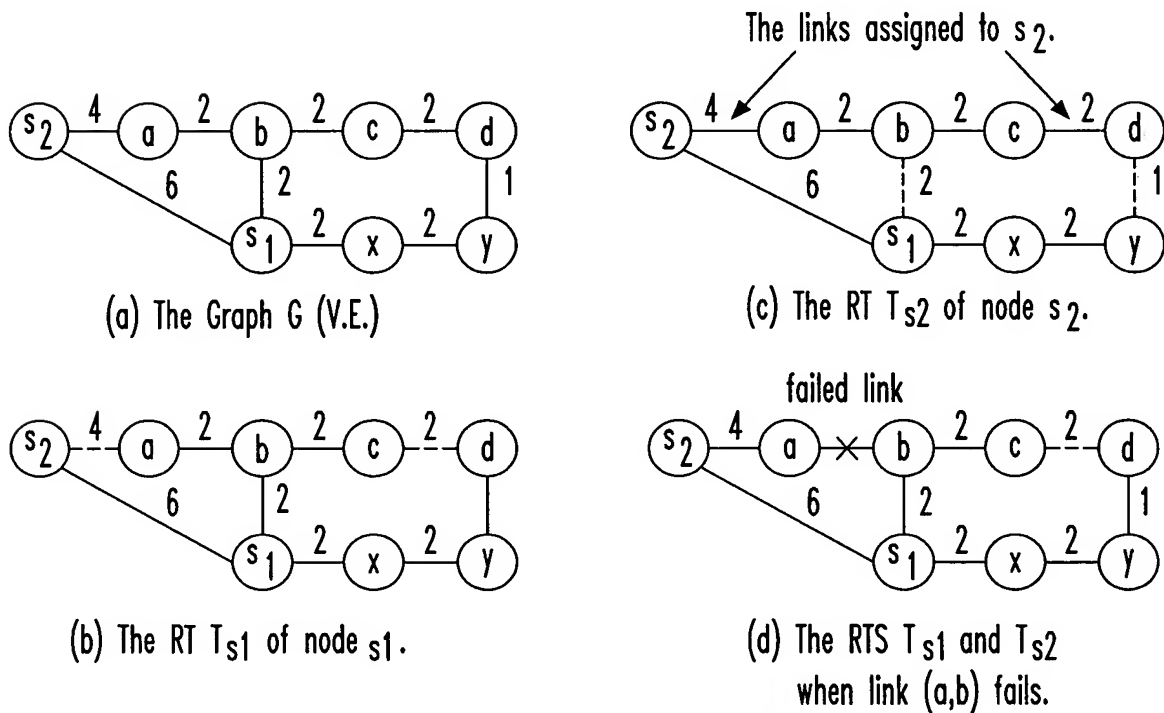


FIG. 4

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S ← ∅
u total ← mK
While u total > 0 do
    For every Yj ∈ Y do
        uj ← K − min { K, |U(S) ∩ Yj| }
    For every Qi ∈ Q − S do
        ni = ∑j=1m min { uj, |Qi ∩ (Yj − U(S))| }
        Qi* ← arg max Qi ∈ Q − S ni
        S ← S ∪ { Qi* }
        u total ← u total − ni*
End While
Return S
    
```

FIG. 5